From: MacCuish, Logan

To: VW Settlement; "eescdcopy.enrd@usdoj.gov"; "Kiyota, Diane@ARB"; "Kamel, Alexandra@ARB";

"nicklas.akers@doj.ca.gov"; "judith.fiorentini@doj.ca.gov"; "david.zonana@doj.ca.gov"

Cc: Kaul, Meetu; Iddings, Brianna; "Giuffra Jr., Robert J."; "Oswell, Laura Kabler"; "Murtagh, Michael P."; Nakayama,

Granta; Sauers, William; Wulfert, David

Subject: Re: DJ # 90-5-21-1-11386

Date: Wednesday, February 28, 2018 9:05:36 PM

Attachments: <u>V281802.pdf</u>

V281803.pdf

All,

On behalf of defendant Volkswagen Group of America, Inc., we are hereby providing EPA and CARB with copies of the attached communications sent to VW dealers regarding 2.0 liter Subject Vehicles, as required by Appendix B to the First Partial Consent Decree, subparagraph 4.3.13. Please let us know if you have any questions.

Thanks, Logan

Logan MacCuish KING & SPALDING LLP 633 W. 5th St., Ste. 1700 Los Angeles, CA 90071

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Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta, Jetta Wagon	2009-2010	2.0L TDI (CBEA,CJAA)	All	All	All
(A6) Golf, Jetta, Jetta SportWagen, (A7) Golf, Golf Sportwagen	2010-2015	2.0L TDI (CJAA, CRUA, CVCA)	All	All	AII
Passat	2012-2015	2.0L TDI (CKRA, CVCA)	All	All	All
Beetle, Beetle Convertible	2012-2015	2.0L TDI (CJAA, CVCA)	All	All	All

Condition

28 18 02 March 28, 2018 2037386 Supersedes Technical Bulletin 28-16-01 (V281601) dated January 14, 2016 to update warranty labor operation time units due to ELSA updates.

MIL ON - Glow Plug Pressure Sensor Faults Stored in ECM Fault Memory

DTC	Description
P13CE	Sensor for internal pressure of cylinder 1 Electrical error
P13CF	Sensor for internal pressure of cylinder 1 Short circuit to ground
P13D0	Sensor for internal pressure of cylinder 1 Implausible signal
P13D1	Sensor for internal pressure of cylinder 2 Electrical error
P13D2	Sensor for internal pressure of cylinder 2 Short circuit to ground
P13D3	Sensor for internal pressure of cylinder 2 Implausible signal



	·
P13D4	Sensor for internal pressure of cylinder 3 Electrical error
P13D5	Sensor for internal pressure of cylinder 3 Short circuit to ground
P13D6	Sensor for internal pressure of cylinder 3 Implausible signal
P13D7	Sensor for internal pressure of cylinder 4 Electrical error
P13D8	Sensor for internal pressure of cylinder 4 Short circuit to ground
P13D9	Sensor for internal pressure of cylinder 4 Implausible signal
P13E0	Sensor for internal pressure of cylinder 1 Malfunction
P13E1	Sensor for internal pressure of cylinder 2 Malfunction
P13E2	Sensor for internal pressure of cylinder 3 Malfunction
P13E3	Sensor for internal pressure of cylinder 4 Malfunction

Technical Background

When diagnosing MIL ON with glow plug pressure sensor DTC's it important to perform diagnosis prior to replacing the glow plug.

Production Solution

Implemented into production.



Service

Step 1:

When diagnosing a glow plug pressure sensor DTC, before replacing the glow plug, first check for loose connections. You can check for any loose connections by performing a push or pull test of the connectors. If on a push test, a click can be felt or on a pull test, the connector comes off very easily, the connection is most likely the cause. Properly seat the connector, clear any DTCs, and test drive the vehicle. **DO NOT replace the glow plug if a loose connection is found and no faults return after test drive. If fault returns, continue to step 2.**

Step 2:

A check of the glow plug can be performed by swapping the glow plug from the affected cylinder with the glow plug from an adjacent cylinder without a fault.



Ensure when re-securing the connector that connector is fully seated.

After swapping the glow plug(s), perform a test drive of the vehicle to attempt to duplicate the DTC.



It may take two drive cycles for the MIL to illuminate.

If after swapping the glow plug, the DTC follows the glow plug, there is a faulty glow plug. Replace the glow plug. If the DTC stays in the same cylinder after swapping the glow plug continue to step 3.

Step 3: Glow plug wiring harness and connectors should be checked.

While checking the harness you can monitor MVB 141 or in UDS equipped vehicles monitor the Maximal_Cylinder_Pressure_Cyllinder_X values for each cylinder while manipulating the harness and connectors, watching for changes in the readings. If the harness is found to be at fault, replace the harness.



Warranty

Step 1

To determine if the Procedures Manu		dure is co	overed under Warr	anty, always refer	to the Wa	arranty Po	olicies and
Model(s)	Yea	ır(s)	Eng. Code(s)	Trans. Code(s)	VIN Ran	ge From	VIN Range To
Jetta, Jetta Wagon (A5)	2009	-2010	2.0L TDI (CBEA,CJAA)	All	All		All
(A6) Golf, Jetta, Jetta SportWagen, (A7) Golf, <mark>Golf Sportwagen</mark>	2010-2015		2.0L TDI (CJAA, CRUA, CVCA)	All	All		All
Passat	2012	-2015	2.0L TDI (CKRA, CVCA)	All	All		All
Beetle, Beetle Convertible	2012	-2015	2.0L TDI (CJAA, CVCA)	All	All		All
			SAGA	Coding			
Claim Type:		Use app	licable Claim Type	1)			
Service Number: Code		•				age Location s on Service No.)	
9752			0028				oplicable when ed in Elsa (L/R)
Parts Mar	Parts Manufacturer (A6) Go		If, Passat V		ww	O ²⁾	
			Jetta, Jetta Sportwagen, Beetle, Beetle Convertible, (A7) Golf, Golf Sportwagen			3 M I	E ²⁾
Labor Operation ³ Connection Repa	_	e Wiring H	Harness	97524199 = 10 TU	J		
Page 4 of 10							



Causal Part: Select Labor operation		97524199		
Diagnostic Time 4)				
GFF Time expenditure	01500000 = 20 TU	max.	YES	
Road Test	01210004 = 10 TU		YES	
Technical Diagnosis (Includes wiring checks)	01320000 = 30 TU	max.	YES	

Claim Comment: Input "As per Technical Bulletin 2037386" in comment section of Warranty Claim.

OR

Step 2

To determine if the Procedures Manu	•	overed under Warr	anty, always refer	to the Warranty Po	olicies and
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Jetta, Jetta Wagon (A5)	2009-2010	2.0L TDI (CBEA,CJAA)	All	All	All
(A6) Golf, Jetta, Jetta SportWagen, (A7) Golf, <mark>Golf Sportwagen</mark>	2010-2015	2.0L TDI (CJAA, CRUA, CVCA)	Ali	All	All
Passat	2012-2015	2.0L TDI (CKRA, CVCA)	All	All	All
Beetle, Beetle	2012-2015	2.0L TDI	All	All	All

¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only

²⁾ Code per warranty vendor code policy.

³⁾ Labor Time Units (TUs) are subject to change with ELSA updates.

⁴⁾ Documentation required per Warranty Policies and Procedures Manual.



Convertible			(CJAA, CVCA)					
SAGA Coding								
Claim Type:		Use app	licable Claim Type	; ¹⁾				
Service Num	ber:		Damage Code	нѕт			Damage Location (Depends on Service No.)	
2884			0040				pplicable when ted in Elsa (L/R)	
Parts Manufactur	Parts Manufacturer Beetle Convertib		ortwagen, Beetle, BEO ² ible, Passat, Golf, ortwagen		O ²⁾			
Passat								
Labor Operation 3): Glow plug removed+reinstalled				28841933 = 40 TU	J			
			0	R				
Labor Operation ³ removed+reinstal		plugs		28842033 = 50 TU				
2009)-2010 Je	tta 2009 J	letta Wagon, 2010	-2015 Jetta SportV	Wagen, 20	10-2014	Golf	
Labor Operation ³ removed+reinstal		olug		28841933 = 40 TU				
			0	R				
Labor Operation ³⁾ : 4 Glow plugs removed+reinstalled			28842033 = 70 TU					
2011-2015 Jetta, Beetle, Beetle Convertible								
Labor Operation 3): Glow plug removed+reinstalled			28841933 = 50 TU					
	OR							
Labor Operation ³ removed+reinstal		plugs		28842033 = 70 TU	l			
	2015 Golf, Golf Sportwagen							



Labor Operation ³⁾ : Glow plug removed+reinstalled		28841905 = 30 TU	
	0	R	
Labor Operation ³⁾ : 4 Glow plugs removed+reinstalled		28842005 = 40 TU	
Causal Part: Glow Plug		03L 905 061G	
	Diagnost	ic Time ⁴⁾	
GFF Time expenditure 01500000 = 40 TU		max.	YES
Road Test	oad Test 01210004 = 10 TU		YES
Technical Diagnosis (Includes additional drive cycles)	01320000 = 90 TU	max.	YES

Claim Comment: Input "As per Technical Bulletin 2037386" in comment section of Warranty Claim.

OR

Step 3

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾

Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Jetta, Jetta Wagon (A5)	2009-2010	2.0L TDI (CBEA,CJAA)	All	All	All
(A6) Golf, Jetta, Jetta SportWagen, (A7) Golf, Golf Sportwagen	2010-2015	2.0L TDI (CJAA, CRUA, CVCA)	All	Ali	All

¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only

²⁾ Code per warranty vendor code policy.

³⁾ Labor Time Units (TUs) are subject to change with ELSA updates.

⁴⁾ Documentation required per Warranty Policies and Procedures Manual.



				,			·
Passat	2012·	-2015	2.0L TDI (CKRA, CVCA)	All	Al	II	All
Beetle, Beetle Convertible	2012	-2015	2.0L TDI (CJAA, CVCA)	All	Al	II	All
			SAGA	Coding			
Claim Type:		Use app	licable Claim Type	1)			
Service Num	ber:		Damage Code	HST			nage Location Is on Service No.)
9752			0040		Use applicable when indicated in Elsa (L/R)		
Parts Mai	nufacture	r	(A6) Gol	If, Passat		WWO ²⁾	
			Beetle Convertib	ortwagen, Beetle, 3ME ²⁾ ble, (A7) Golf twagen		E ²⁾	
			Pas	ssat			
Labor Operation Wiring Harness (e and Ins	stall Engine	97521933 = 290 T	U		
Labor Operation Wiring Harness (stall Engine	97521905 = <mark>310 TU</mark>			
	J	etta, Jett	a Sportwagen, Go	lf, Beetle, Beetle C	onvertible	9	
Labor Operation ³⁾ : Remove and Install Engine Wiring Harness			97521933 = 330 TU				
2015 Golf, <mark>Golf Sportwagen</mark>							
	Labor Operation ³⁾ : Remove and Install Engine Wiring Harness (Gen 3 CRUA)			97521905 = <mark>450 T</mark>	U		
2015 Jetta							
Labor Operation Wiring Harness (stall Engine	97521904 = 450 T	U		



2015 Beetle, Beetle Convertible				
Labor Operation ³⁾ : Remove and Install Engine Wiring Harness (Gen 3 CVCA)		97521904 = 450 TU		
Causal Part: Engine Harness		03L 971 *** (See ETKA)		
Diagnostic Time 4)				
GFF Time expenditure	01500000 = 60 TU	J max.	YES	
Road Test	01210004 = 10 TU		YES	
Technical Diagnosis (Includes wiring harness checks)	01320000 = 120 T	'U max.	YES	

Claim Comment: Input "As per Technical Bulletin 2037386" in comment section of Warranty Claim.

Required Parts and Tools

Part Description	Quantity
Glow Plug	As required
Engine Harness	As required
	Glow Plug

Part numbers are accurate at time of publication. Always refer to ETKA for the latest part information.

¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only

²⁾ Code per warranty vendor code policy.

³⁾ Labor Time Units (TUs) are subject to change with ELSA updates.

⁴⁾ Documentation required per Warranty Policies and Procedures Manual.



Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940)
	or
	GRX3000VAS
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X and
	ODIS Service with: current online updates

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

Document Control Revision Table				
Instance Number Published Date Version Number Reason For Update				
2037368/4	2/28/18	V281802	Update warranty labor operation time units due to ELSA updates.	
2037368/1	7/11/14	V281403	Original publication.	



Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta, Jetta SportWagen	2009-2014	2.0L TDI (CBEA, CJAA)	All	All	All
Golf	2010-2014	2.0L TDI (CJAA)	All	All	All
Beetle, Beetle Convertible	2013-2014	2.0L TDI (CJAA)	All	All	All
Passat	2012-2014	2.0 TDI (CKRA)	All	All	All

Condition

28 18 03 February 28, 2018 **2032116** Supersedes 28-18-01 (V281801) dated January 24, 2018 to update service information.

MIL ON, Incorrect Glow Plug Faults P06C5, P06C6, P06C7 and or P06C8 Stored in Fault Memory

DTC	Description
P06C5	Cylinder 1 Glow Plug Incorrect
P06C6	Cylinder 2 Glow Plug Incorrect
P06C7	Cylinder 3 Glow Plug Incorrect
P06C8	Cylinder 4 Glow Plug Incorrect



Technical Background

During the initial glow phase, after switching the ignition "ON", the ECM performs a check of the glow plugs through the Automatic Glow Time Control Module -*J179*-, to ensure the correct glow plugs are installed. This check takes 2 seconds to complete. If the engine is cranked during this check, lowering the system voltage, the ECM may receive an incorrect reading and set incorrect glow plug faults.

Production Solution

Implemented into production.

Service

- Ensure the Automatic Glow Time Control Module (Glow Plug Relay) part number is the latest part number according to ETKA.
- Instruct the customer to slow down their starting of the vehicle to avoid cranking during the glow phase.
- For "Key-Start" vehicles: Depress the brake pedal, switch the ignition key to the "ON" position and observe the glow plug light for at least 2 seconds. After 2 seconds, or once the glow plug light goes "Out", start the vehicle. Avoid cranking the engine while the glow plug light is illuminated.
- For "Push Button Start" vehicles: Depress the brake pedal, depress the start/stop switch once to switch the ignition "ON", and observe the glow plug light for at least 2 seconds. After 2 seconds, or once the glow plug light goes "Out", press and hold the start button a second time to start the vehicle. Avoid cranking the engine while the glow plug light is illuminated.
- For all vehicles: When temperatures are between 50° 65°F the glow plug light may not illuminate. It is still good practice to wait 2 seconds after switching the ignition ON. This time delay before cranking the engine allows the ECM diagnostics to complete.



Warranty

Information only.

Required Parts and Tools

See ETKA for latest part number information.

No special tools required.

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

	Document Control Revision Table				
Instance Number	Published Date	Version Number	Reason For Update		
2032116/7	2/28/2018	V281803	Updated repair information, warranty information, and required parts information.		
2032116/6	1/24/18	V281801	Updated part number and include additional model, model year applicability.		
2032116/1	12/17/12	V281205	Original publication.		

Technical Service Bulletin

97-18-01 - Vehicle Electrical System Control Module -J519- Replaced After Campaign 23U3 Has Been Performed

Transaction No.: 2048191/1
Release date: Jan 24, 2018

Condition

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2009	2.0L TDI (CBEA)	All	All	All
All	2010 - 2014	2.0L TDI (CJAA)	All	All	All

97 18 01 January 24, 2018 2048191

Vehicle Electrical System Control Module -*J519*- Replaced After Campaign 23U3 Has Been Performed

Technical Background

The Vehicle Electrical System Control Module (BCM) is updated while performing campaign 23U3. If this control module has to be replaced for any reason after campaign 23U3 has been performed, the replacement control module will need to be updated.



This procedure only applies to vehicles that have had campaign 23U3 performed.

Production Solution

Information only.

Service

After replacement of the BCM, update the software using SVM Code 3DED.



This procedure only applies to vehicles that have had campaign 23U3 performed.

Warranty

Information only.

Required Parts and Tools

No Special Parts required.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940)

	or
	GRX3000VAS
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with:
	ODIS Service with current online updates

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

	Document Contro	ol Revision Table		
Instance Number Published Date Version Number Reason For Update				
2048191/1	1/24/18	V971801	Original publication.	

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From: MacCuish, Logan

To: VW Settlement; "eescdcopy.enrd@usdoj.gov"; "Kiyota, Diane@ARB"; "Kamel, Alexandra@ARB";

 $\underline{\ \ "nicklas.akers@doj.ca.gov";\ \underline{\ \ "judith.fiorentini@doj.ca.gov";\ \underline{\ \ "david.zonana@doj.ca.gov"}}$

Cc: Kaul, Meetu; Iddings, Brianna; "Giuffra Jr., Robert J."; "Oswell, Laura Kabler"; "Murtagh, Michael P."; Nakayama,

Granta; Sauers, William; Wulfert, David; Rodgers, Katharine

Subject: Re: DJ # 90-5-21-1-11386

Date: Thursday, March 01, 2018 10:29:46 AM

Attachments: TB 2048191 J519 Replacement After 23U3 Campaign.pdf

All,

On behalf of defendant Volkswagen Group of America, Inc., we are hereby providing EPA and CARB with a copy of the attached communications sent to VW dealers regarding Generation 1 2.0 liter Subject Vehicles, as requested under Appendix B to the First Partial Consent Decree, subparagraph 4.3.13. Please let us know if you have any questions.

Thanks, Logan

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From: <u>MacCuish, Logan</u>

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Cc: Kaul, Meetu; Iddings, Brianna; "Giuffra Jr., Robert J."; "Oswell, Laura Kabler"; "Murtagh, Michael P."; Nakayama,

Granta; Sauers, William; Wulfert, David; Rodgers, Katharine

Subject: Re: DJ # 90-5-21-1-11386

Date: Thursday, March 01, 2018 6:57:48 PM

Attachments: VWC-18-04 2.0L TDI and 3.0L TDI EEW OBD System Coverage Questions.pdf

AWC-18-05 TDI Extended Emissions Coverage.pdf

AWC 17-34 Addressing pre-existing MIL on before AEM.PDF

All,

On behalf of defendant Volkswagen Group of America, Inc., we are hereby providing EPA and CARB with copies of the attached communications sent to VW dealers regarding 2.0 and 3.0 liter Subject Vehicles, as requested under Appendix B to the First Partial Consent Decree, subparagraph 4.3.13. Please let us know if you have any questions.

Thanks, Logan

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Warranty Information

General Communication

Subject: 2.0L TDI and 3.0L TDI Extended Emissions Warranty

On-Board Diagnostic (OBD) System Coverage

Questions

Date: Mar. 1, 2018

Number: VWC-18-04

This document conveys
Volkswagen Warranty general

information.

For 2.0L TDI and 3.0L TDI Extended Emissions Warranty On-Board Diagnostic (OBD) System coverage questions, including conditions that illuminate the MIL, please contact the Warranty Helpline at 1-866-306-8447, select prompt 1.

Additionally, for conditions that illuminate the MIL, ensure a Guided Fault Finding log, showing the DTC, is uploaded to GFF paperless for review prior to calling.

When in doubt about whether <u>any</u> component is covered under the 2.0L TDI or 3.0L TDI Extended Emissions Warranty, please contact the Warranty Helpline immediately.

Questions

For any questions regarding this communication, please contact the Warranty Helpline at 1-866-306-8447 or *warranty.helpline@vw.com*.



Warranty Communication

Audi Warranty Number: AWC-17-34

Subject: Addressing pre-existing MIL on before performing

the TDI Approved Emissions Modification (AEM)

Dealers: U.S., Puerto Rico

Date: Oct 5, 2017

This document conveys general Warranty information.

As stated in the TDI Approved Emissions Modification (AEM) recall for 2.0L TDI Gen 1 vehicles, dealers must check for pre-existing MIL illumination before proceeding with the AEM.

If the MIL is illuminated, the dealer must obtain a GFF diagnostic log, create an Audi Technical Assistance Center (TAC) ticket, and contact TAC. TAC requires the GFF log to be uploaded for MIL on cases at the time of initial contact.

If the MIL is illuminated but the vehicle is no longer covered under warranty, the dealer must email AudiWarranty@audi.com to request approval to perform the repair. The email should include the estimated repair costs. Requests to repair MIL issues on modified vehicles or to bring a modified vehicle back to its original specification should not be submitted.

The following claim coding should be used in SAGA for approved requests:

Claim Type:	1SP
Service Number:	X109
Damage Code:	0010
Part Manufacturer Code:	444
Labor Operations:	See ElsaPro
Parts:	See ElsaPro (select appropriate failed component as causal)

Questions or concerns may be directed to Audi Warranty at 866.677.2834 or AudiWarranty@audi.com.



Warranty Communication

Audi Warranty Number: AWC-18-05

Subject: 2.0L TDI and 3.0L TDI Extended Emissions Warranty

On-Board Diagnostic (OBD) System Coverage

Questions

Dealers: U.S., Puerto Rico

Date: March 1, 2018

This document conveys general Warranty information.

For 2.0L TDI and 3.0L TDI Extended Emissions Warranty On-Board Diagnostic (OBD) System coverage questions, including conditions that illuminate the MIL, please contact Audi Warranty at 866-677-2834.

Additionally, for conditions that illuminate the MIL, ensure that a Guided Fault Finding log showing the DTC is uploaded to GFF paperless for review prior to calling.

When in doubt about whether <u>any</u> component is covered under the 2.0L TDI or 3.0L TDI Extended Emissions Warranty, please contact Audi Warranty immediately.

Questions or concerns may be directed to Audi Warranty at 866.677.2834 or AudiWarranty@audi.com.

From: <u>MacCuish, Logan</u>

To: VW Settlement; "eescdcopy.enrd@usdoj.gov"; "Kiyota, Diane@ARB"; "Kamel, Alexandra@ARB";

"nicklas.akers@doj.ca.gov"; "judith.fiorentini@doj.ca.gov"; "david.zonana@doj.ca.gov"

Cc: Kaul, Meetu; Iddings, Brianna; "Giuffra Jr., Robert J."; "Oswell, Laura Kabler"; "Murtagh, Michael P."; Nakayama,

Granta; Sauers, William; Wulfert, David

Subject: Re: DJ # 90-5-21-1-11386

Date: Monday, April 02, 2018 6:13:54 PM

Attachments: V261802.pdf

All,

On behalf of defendant Volkswagen Group of America, Inc., we are hereby providing EPA and CARB with a copy of the attached communication sent to VW dealers regarding the 2.0 liter Subject Vehicles, as required by Appendix B to the First Partial Consent Decree, subparagraph 4.3.13. Please let us know if you have any questions.

Thanks, Logan

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Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta	2015	2.0L TDI (CVCA)	All	AJ_FM200001	AJ_FM296633
Jetta	2015	2.0L TDI (CVCA)	All	AJ_FM350050	AJ_FM358215
Beetle	2015	2.0L TDI (CVCA)	All	AT_FM600001	AT_FM639473
Beetle Convertible	2015	2.0L TDI (CVCA)	All	AT_FM800001	AT_FM811301
Passat	2015	2.0L TDI (CVCA)	All	A3_FC000001	A3_FC064622
Golf	2015	2.0L TDI (CRUA)	All	AU_FM000001	AU_FM069384
Golf SportWagen	2015	2.0L TDI (CRUA)	All	AU_FM500001	AU_FM501189

Condition

26 18 02 April 2, 2018 **2039436** Supersedes Technical Bulletin 26-16-06 (V261606) dated November 14, 2016 to update Passat labor operation time units per Saga updates.

AdBlue® Warning and or MIL ON - AdBlue® Leakage at Reductant Injector

The following fault code may also be stored in the ECM Fault Memory:

DTC	Description
P20E8	Reductant Pressure Too Low



Technical Background

Welding process issues of the reductant line connector to the supply line may cause AdBlue® leakage at the reductant injector.

Production Solution

Improved parts implemented into production.

Service

Inspect the connection of the reductant supply line connector at the reductant injector in the engine compartment. If white crystalized (dried) AdBlue® is found at the reductant injector (see Figure 1 & 2), it will be necessary to replace the reductant supply line.





Figure 1 Figure 2

- Thoroughly clean the area of the reductant supply line connection with water to remove the crystalized AdBlue®.
- Replace the reductant supply line.
- Refill reductant agent as required per part table quantity.



It is not necessary to replace the reductant injector.



Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾							
Model(s)	Yea	ır(s)	Eng. Code(s)	Trans. Code(s)	VIN F	Range From	VIN Range To
Jetta	2015		2.0L TDI (CVCA)	All	AJ_	FM200001	AJ_FM296633
Jetta	2015		2.0L TDI (CVCA)	All	AJ_	FM350050	AJ_FM358215
Beetle	2015		2.0L TDI (CVCA)	All	AT_	FM600001	AT_FM639473
Beetle Convertible	20	15	2.0L TDI (CVCA)	All	AT_	FM800001	AT_FM811301
Passat	20	15	2.0L TDI (CVCA)	All	A3_	FC000001	A3_FC064622
Golf	2015		2.0L TDI (CRUA)	All	AU_	FM000001	AU_FM069384
Golf SportWagen	2015		2.0L TDI (CRUA)	All	AU_	FM500001	AU_FM501189
SAGA Coding							
Claim Type:	Claim Type: Use applicable Claim Type 1)						
Service Number:		Damage Code	HST		Damage Location (Depends on Service No.)		
2684		0050				e when indicated sa (L/R)	
Parts Manufacturer		Passat		WWO ²⁾			
			olf, Golf SportWagen, Jetta, Beetle, Beetle Convertible		3ME ²⁾		



Passat			
Labor Operation 3): Reductant Agent Supply Line Remove + Install		26841905 = <mark>70 T</mark>	J
Labor Operation 3): Clean Up	of crystallized Ad	26842999 = 30 TU	J
Labor Operation 3): Reductant	Agent Inspect +	26883500 = 30 TU	J
Jetta	a, Golf, Golf Sport\	Wagen, Beetle, Be	etle Convertible
Labor Operation 3): Reductant	Agent Inspect +	26883500 = 20 TU	J
Labor Operation 3): Clean Up	of crystallized Ad	26842999 = 30 TU	J
Labor Operation 3): Upper Eng	gine Cover	10831900 = 20 TU	J
Labor Operation 3): Reductant Line Remove + Install	Agent Supply	26841950 = 70 TU	J
Causal Part: Supply Line for F	Reduction Agent	See Parts Table I	Below
Diagnostic Time 4)			
GFF Time expenditure	01500000 = Actu	al GFF print out	YES
Road Test	01210002 = 00 TU 01210004 = 10 TU		YES
Technical Diagnosis: 01320000 = 00 TU		U max.	NO

Claim Comment: Input "As per Technical Bulletin 2039436" in comment section of Warranty Claim.

¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only

²⁾ Code per warranty vendor code policy.

³⁾ Labor Time Units (TUs) are subject to change with ELSA updates.

⁴⁾ Documentation required per Warranty Policies and Procedures Manual.



Required Parts and Tools

Model	Part Number	Description
Passat	561 131 984 D	Supply Line for Reduction Agent
Golf, Golf SportWagen	5Q0 131 984 E	Supply Line for Reduction Agent
Jetta, Beetle, Beetle Convertible	5C0 131 984 B	Supply Line for Reduction Agent
ALL	G 052 910 A2	AdBlue® Max. Qty. = 2.00

Part numbers are accurate at time of publication. Always refer to ETKA for the latest part information.

Tool Description	Tool No:	
Midtronics Battery Tester/Charger	InCharge 940 (INC-940)	
	or	
	GRX3000VAS	
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with	
	ODIS Service with: current online updates	



Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

Document Control Revision Table				
Instance Number	Published Date	Version Number	Reason For Update	
2039436/9	4/2/18	V261802	To update Passat labor operation according to Saga/Elsa updates 3/28/18.	
2039436/8	11/14/16	V261606	Include AdBlue® quantity.	
2039436/7	6/20/16	V261603	To update labor operation according to Saga/Elsa updates 6/13/16.	
2039436/6	3/31/16	V261602	To include AdBlue® part number.	
2039436/1	1/21/15	V261501	Original publication.	

Campaign Tip – Emissions Recall



Code: 23U3

Date

April 18, 2018

Subject

Additional Information for 2010 TDI (Diesel) Vehicles w/One-Piece DPF/NOx Trap

Affected Vehicles

U.S.A. and Canada: 2010 MY 2.0L TDI (Diesel) Vehicles w/One-Piece DFP/Lean NOx Trap

Campaign Tip

2010 MY TDI (diesel) vehicles built with a one-piece DFP/Lean NOx trap exhaust system **require** installation of EGR and Exhaust Pressure Sensor part # **076906051B**.

The 2009 MY 2.0L Base Kit part # 1K0298101X comes with Exhaust Pressure Sensor part # 076906051A. These sensors are not compatible with a 2010 MY vehicle.

Use 076906051B Sensors for MY 2010 applications.

Part Number	Description	Quantity
076 906 051 B	MY 2010 ONLY Differential Pressure Sensor	2

Additionally, the 2009 MY 2.0L Base Kit part # 1K0298101X comes with a new -G39- Oxygen Sensor part # 03L906262B. This part # is not compatible with 2010 MY vehicles. The original -G39- Oxygen Sensor **should be reused**. **DO NOT** replace the -G39- Oxygen Sensor with the part contained in the kit.

Check warranty history and verify that the 24CV Campaign has been closed for the vehicle. If the -G39- Oxygen Sensor was faulty or required replacement, the test plan in the 24CV Campaign would have identified it, and the sensor would have been replaced. Therefore, there is no need to refresh the -G39- Oxygen Sensor for 2010 MY vehicles.

From: MacCuish, Logan

To: VW Settlement; "eescdcopy.enrd@usdoj.gov"; "Kiyota, Diane@ARB"; "Kamel, Alexandra@ARB";

"nicklas.akers@doj.ca.gov"; "judith.fiorentini@doj.ca.gov"; "david.zonana@doj.ca.gov"

Cc: Kaul, Meetu; Iddings, Brianna; "Giuffra Jr., Robert J."; "Oswell, Laura Kabler"; "Murtagh, Michael P."; Nakayama,

Granta; Sauers, William; Wulfert, David

Subject: Re: DJ # 90-5-21-1-11386

Date:Wednesday, April 18, 2018 8:17:40 PMAttachments:Campaigntip23u304182018.pdf

Counsel,

On behalf of defendant Volkswagen Group of America, Inc., we are hereby providing EPA and CARB with a copy of the attached communication sent to VW dealers regarding 2.0 liter Subject Vehicles, as requested under Appendix B to the First Partial Consent Decree, subparagraph 4.3.13. Please let us know if you have any questions.

Thanks, Logan

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From: <u>MacCuish, Logan</u>

To: VW Settlement; "eescdcopy.enrd@usdoj.gov"; "Kiyota, Diane@ARB"; "Kamel, Alexandra@ARB";

 $\underline{\ \ "nicklas.akers@doj.ca.gov";\ \underline{\ \ "judith.fiorentini@doj.ca.gov";\ \underline{\ \ "david.zonana@doj.ca.gov"}}$

Cc: Kaul, Meetu; Iddings, Brianna; "Giuffra Jr., Robert J."; "Oswell, Laura Kabler"; "Murtagh, Michael P."; Nakayama,

Granta; Sauers, William; Wulfert, David

Subject: Re: DJ # 90-5-21-1-11386

Date:Monday, April 30, 2018 6:08:16 PMAttachments:23y8campaigntipspraywax.pdf

23y9campaigntipspraywax.pdf Campaign 23Y8 - VSS-18-01.pdf

Counsel,

On behalf of defendant Volkswagen Group of America, Inc., we are hereby providing EPA and CARB with copies of communications sent to VW dealers regarding the Generation 3 Part D Approved Emissions Modification (Campaign Code 23Y8), as requested under Appendix B to the First Partial Consent Decree, subparagraph 4.3.13. Please let us know if you have any questions.

Thanks, Logan

Logan MacCuish KING & SPALDING LLP 633 W. 5th St., Ste. 1700 Los Angeles, CA 90071

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This notice is for:	✓ Dealer Principal✓ Sales Manager	✓ Service Manager✓ Parts Manager	✓ Warranty Administrator✓ Technicians	
Date	04/26/2018			
Issue	Equivalent alternative for Wax Spray part # D 322 100 M2			
Resolution	We have received some questions regarding an equivalent product for Wax Spray part # D 322 100 M2. Equivalent alternative preservation/cavity wax is authorized for use in this campaign, and can be sourced from a local supplier. One suggested equivalent alternative is 3M branded Cavity Wax Plus, part # 08852. This shop supply is readily available and can be acquired locally.			



23Y9 Campaign Tip Wax Spray for NOx #2

This notice is for:	✓ Dealer Principal✓ Sales Manager	✓ Service Manager✓ Parts Manager	✓ Warranty Administrator✓ Technicians	
Date	04/26/2018			
Issue	Equivalent alternative for Wax Spray part # D 322 100 M2			
Resolution	We have received some questions regarding an equivalent product for Wax Spray part # D 322 100 M2. Equivalent alternative preservation/cavity wax is authorized for use in this campaign, and can be sourced from a local supplier. One suggested equivalent alternative is 3M branded Cavity Wax Plus, part # 08852. This shop supply is readily available and can be acquired locally.			

Valle

Date: April 23, 2018

Service Information

Support Number: VSS-18-01

Subject: TDI Monitoring Program - "Campaign 23Y8"

2.0L Phase 2 Emissions Modification - Generation 3

Dealers: U.S., Puerto Rico

Volkswagen of America is requesting your cooperation in supplying us with technical information related to the repair process for vehicles on which the TDI Generation 3, 2.0L Phase 2 emissions modification is being performed "Campaign 23Y8". Volkswagen will use this information to ensure prompt analysis and resolution of any emerging concerns.

If you experience any issues while performing "Campaign 23Y8", or after the software update for the TDI Generation 3, 2.0L Phase 1 Emissions Modification, follow the process below to open a Volkswagen Technical Assistance ticket.

<u>Program Highlights</u>: Dealership technicians create a VTA using ElsaWeb and select concern group "Campaign-TDI Emissions Concerns".

- Call the Volkswagen Technician Helpline with your Volkswagen Technical Assistance access code: 1-800-678-2389.
- Select the option: prompt 1 to enter the access code given from ElsaWeb.
- The technician must perform a preliminary diagnosis on each concern/issue and obtain a Volkswagen Technical Assistance (VTA) access code <u>before contacting</u> the Volkswagen Technician Helpline
- The technician must provide complete repair information in the VTA system prior to closing a VTA
 case.

<u>Note</u>: <u>VTA authorization is not required to perform the update; it is only required if an issue occurs during or after the update (for example, if update fails, SVM will not update control modules, etc.)</u>

Issues related to ODIS should be directed to the ODIS Diagnostic Support Group at 888.896.1298, along with a feedback via the ODIS tool (Ref. Document VOS-15-03 for ODIS feedback set-up instructions). ODIS issues will still be reviewed as part of the TDI Monitoring Program.

This TDI monitoring program for 2.0L Phase 2 Emissions Modification will continue until an end date is Communicated to dealers.

From: <u>MacCuish, Logan</u>

To: VW Settlement; "eescdcopy.enrd@usdoj.gov"; "Kiyota, Diane@ARB"; "Kamel, Alexandra@ARB";

"nicklas.akers@doj.ca.gov"; "judith.fiorentini@doj.ca.gov"; "david.zonana@doj.ca.gov"

Cc: Kaul, Meetu; Iddings, Brianna; "Giuffra Jr., Robert J."; "Oswell, Laura Kabler"; "Murtagh, Michael P."; Nakayama,

Granta; Sauers, William; Wulfert, David; Rodgers, Katharine

Subject: Re: DJ # 90-5-21-1-11386

Date: Tuesday, May 01, 2018 9:05:20 PM

Attachments: TDI AEM Directive CARB VW USA Dealer LetterV1.4.pdf
TDI AEM Directive CARB Audi USA Dealer LetterV1.4.pdf

Counsel,

On behalf of defendant Volkswagen Group of America, Inc., we are hereby providing EPA and CARB with copies of revised repair instructions sent to VW dealers regarding 2.0 liter Subject Vehicles, as requested under Appendix B to the First Partial Consent Decree, subparagraph 4.3.13, and redlines comparing the different versions of those repair instructions. These instructions are referenced in a notice submitted today to EPA and CARB. We are also providing EPA and CARB with the attached communications sent to VW and AUDI dealers. Please let us know if you have any questions.

Thanks, Logan

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VOLKSWAGEN DEALERSHIP COMMUNICATION -- USA ONLY

Date: May 01, 2018

To: Dealer Principal, Sales Manager, Service Manager, Parts Manager, Technicians & Warranty Administrator

Subject: Important Information regarding Approved Emissions Modification (TDI) Recall Campaigns & the

California Air Resources Board / Department of Motor Vehicle (DMV) Vehicle Registration Requirement

IMPORTANT NOTICE TO DEALERS - FOR IMMEDIATE DISTRIBUTION

We would like to inform you of an important change in connection with previously communicated DMV requirements and Approved Emissions Modification (AEM) campaigns.

Customers with questions related to a <u>DMV renewal</u> being delayed or denied based on the conditional completion of any Campaign Code listed below can be directed to contact the California Air Resources Board (ARB) helpline at 1-800-242-4450. Customers have the right to decline the Approved Emissions Modification (AEM) or Emissions Compliant Recall (ECR) at their discretion.

Important Note!

Information regarding Approved Emissions Modification (TDI) recall campaigns & the California Air Resources Board / Department of Motor Vehicle (DMV) vehicle registration requirement - (USA Only)

Volkswagen Campaign Code	Campaign Description
23Q3	EMISSIONS RECALL - 2.0L TDI Engine (GEN 3) Emissions Control Software
23U4	EMISSIONS RECALL - 2.0L TDI Engine (GEN 2 - Automatic Transmission)
23U3	EMISSIONS RECALL - 2.0L TDI GEN 1
23V6	EMISSIONS RECALL - 3.0L TDI GEN 2.1
23V7	EMISSIONS RECALL - 3.0L TDI GEN 2.2

Owners of 2.0L and 3.0L Volkswagen and Audi vehicles have the <u>right to decline</u> the AEM or ECR at their discretion. In accordance with a Consent Decree between Volkswagen and the State of California, the State of California shall not deny registration to any subject vehicle defined with the recall campaigns identified above. Further, any consumer or customer who elects to not complete an AEM recall campaign is <u>not required</u> to obtain a proof of correction certificate (RC EMISCAVWAU), a typical requirement within California regulations. Please ensure that all dealer personnel understand that the AEM or ECR is optional. (Note, however, that if a customer's selected remedy under the TDI Settlements is an AEM or ECR, receipt of compensation is dependent upon customers receiving an AEM or ECR.)

Thank you for your continued support regarding this matter.

Volkswagen Customer Protection



Date: May 01, 2018

To: Audi Dealer Principal, Service Manager, Warranty Administrator, Sales Manager, Technicians,

General Manager & Parts Manager

From: Audi Customer Protection

Subject: Important Information regarding Approved Emissions Modification (TDI) Recall Campaigns &

the California Air Resources Board / Department of Motor Vehicle (DMV) Vehicle Registration

Requirement

We would like to inform you of an important change in connection with previously communicated DMV requirements and Approved Emissions Modification (AEM) campaigns.

Customers with questions related to a <u>DMV renewal</u> being delayed or denied based on the conditional completion of any Campaign Code listed below can be directed to contact the California Air Resources Board (ARB) helpline at 1-800-242-4450. Customers have the right to decline the Approved Emissions Modification (AEM) or Emissions Compliant Recall (ECR) at their discretion.

Important Note!

Information regarding Approved Emissions Modification (TDI) recall campaigns & the California Air Resources Board / Department of Motor Vehicle (DMV) vehicle registration requirement

Audi Campaign Code	Campaign Description
23V4	EMISSIONS RECALL - 3.0L TDI Engine GEN 2 PC
23T4	EMISSIONS RECALL - 2.0L TDI GEN 3
23U7	EMISSIONS RECALL - 2.0L TDI GEN 1
23V5	EMISSIONS RECALL - 3.0L TDI GEN 2.1

Owners of 2.0L and 3.0L Volkswagen and Audi vehicles have the <u>right to decline</u> the AEM or ECR at their discretion. In accordance with a Consent Decree between Volkswagen and the State of California, the State of California shall not deny registration to any subject vehicle defined with the recall campaigns identified above. Further, any consumer or customer who elects to not complete an AEM recall campaign is <u>not required</u> to obtain a proof of correction certificate (RC EMISCAVWAU), a typical requirement within California regulations. Please ensure that all dealer personnel understand that the AEM or ECR is optional. (Note, however, that if a customer's selected remedy under the TDI Settlements is an AEM or ECR, receipt of compensation is dependent upon customers receiving an AEM or ECR.)

Thank you for your continued support regarding this matter.

Audi Customer Protection